

To: Daly, Eric[Daly.Eric@epa.gov]
From: Nguyen, Lyndsey
Sent: Wed 5/4/2016 4:07:13 PM
Subject: RE: Holy Trinity Cemetery

My comments in red. Sorry, I completely forgot about this email. Should have bugged me sooner ☺

Lyndsey

Lyndsey Nguyen

Environmental Response Team-Las Vegas

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Email: Nguyen.Lyndsey@EPA.gov

From: Daly, Eric
Sent: Tuesday, May 03, 2016 1:30 PM
To: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: RE: Holy Trinity Cemetery

See below. Please add to anything before I send it out.

From: Koehler, Larainne
Sent: Tuesday, May 03, 2016 12:07 PM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>; Giardina, Paul <Giardina.Paul@epa.gov>; Povetko, Oleg <Povetko.Oleg@epa.gov>
Subject: RE: Holy Trinity Cemetery

Eric,

Paul will try to take a look at this later in the day in terms of whether or not additional work might be done. He is more familiar with the site than I am and Oleg is on travel this week.

As for the radon levels, I agree – in a normal situation, these levels would suggest installation of a mitigation system. Here are some initial thoughts:

- Although a floor diagram was not provided, can it be assumed that since areas over a crawlspace were measured, that areas above all foundations have been measured? **I am not sure what this question means. Please clarify. I think she is asking if we measured other areas besides the basement. Answer: Yeppers, we did the main floor living room and bedroom, as well as, upstairs bedrooms.**

- The location of the sump measurement is not clear – it is probably NOT a valid measurement location for decision making, but there are other elevated readings. **We should have an accurate diagram shortly of the layout. However, why wouldn't it be a valid measurement location. Wouldn't it show that subsurface soil gas is entering the house?**

- Were the two measurements labeled Basement NW duplicates? **YES Basement--NW--#5374-04 and Basement--NW--#5374-05 are duplicates**

- Contractor was certified by NRSB-**Yes. Since you informed me about the need for a radon specialist to place the canisters during Moffat Street, we have been getting a certified sub-contractor**

- Based on data from the Buffalo Airport, there were some wind gusts during measurements – but not outside measurement range. **So that is a good thing that we were not out of measurement range? How does wind gust affect indoor radon measurements in the basement?**

- There were some highs in the 60's – were closed house conditions followed in the entire house? **It was in the 40-50 for most of our time in Niagara Falls area. The house was closed during the sampling period.**

• See below

• The home does not use well water. Water is supplied by the city.

• Below is what I have from NYS DOH website for Lewiston. The complete document is attached.

NYS DOH Measured Basement, First Floor				
County	Town/Village/City	Test Location	Homes Screened	A
NIAGARA	LEWISTON	Basement	138	2
NIAGARA	LEWISTON	1st Floor	25	1

From: Daly, Eric

Sent: Monday, May 02, 2016 4:39 PM

To: Koehler, Laraine <Koehler.Laraine@epa.gov>

Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>; Giardina, Paul <Giardina.Paul@epa.gov>;

Povetko, Oleg <Povetko.Oleg@epa.gov>

Subject: Holy Trinity Cemetery

Importance: High

Good Afternoon Larraine:

At Holy Trinity Cemetery, we had to look into a claim that one of the slag road beds at the site extended across the Roberts Street to a residence (Labeled Area 5 in figure attached). All gamma survey readings inside the home and on the property were background. However, the radon canister readings (Attached) came back elevated in the basement. My initial response as was my management...would be put in a sub slab radon mitigation system and the inhalation issue would be solved. I am requesting your input on the situation. We just received the results and I do not have the floor plan diagrams yet.

- Can you recommend any additional assessment work we should perform?

- I still need to ask if they use well water or not....any guidance when it comes to showering if they do have well water? Get the info on well first. Would not provide any guidance just based on the fact that they had a well without a radon in water test first. There is clearly a soil gas source here.

- The highest reading was at sump pump. I assume this is the easiest access point for the gas to flow.

- Can you provide the average naturally occurring radon readings in the area of Lewiston, NY or point me in the right direction to get this information? The tables do not show measurements for Lewiston, but the maps show the following:

http://www.health.ny.gov/environmental/radiological/radon/maps_statistics.htm



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Based on Radon Test Results By Town: Beginning 1987

The DOH Radon Program contracts with a radon testing laboratory to provide short-term charcoal radon test kits, radon test kit analysis ▶

	Village/City	Test Location in Home	# of Homes Tested	Average Radon (pCi/L)	GE
1	LEWISTON	Basement	138	2.54	
2	LEWISTON	1st Floor	24	1.7	
3	LEWISTON	Basement	138	2.54	
4	LEWISTON	1st Floor	25	1.69	

I need to provide the homeowner with the information ASAP but wanted to reach out to you for additional guidance first.

Thanks

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately",
Benjamin Franklin
Eric M. Daly

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